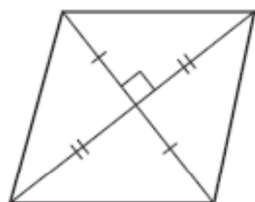


TARGET E

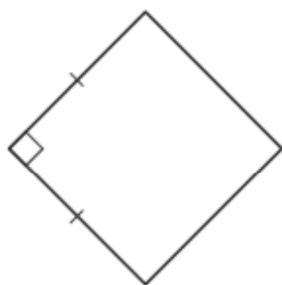
Name _____ Date _____

Classify the parallelogram. Explain your reasoning.

1.



2.

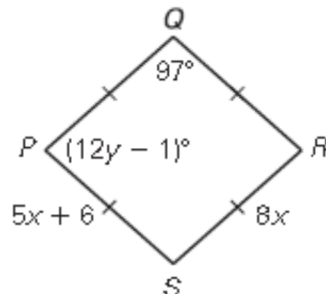


3.

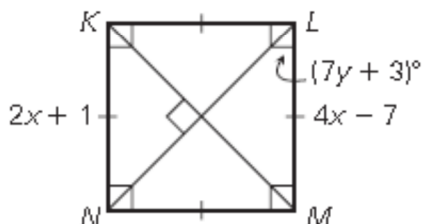


Classify the special quadrilateral. Explain your reasoning. Then find the values of x and y .

4.



5.



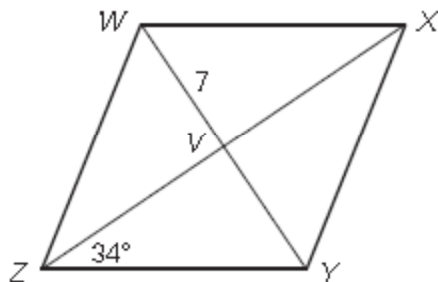
The diagonals of rhombus $WXYZ$ intersect at V . Given that $m\angle XZY = 34^\circ$ and $WV = 7$, find the indicated measure.

6. $m\angle WZV$

7. $m\angle XYZ$

8. WY

9. XY



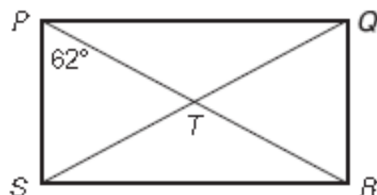
The diagonals of rectangle $PQRS$ intersect at T . Given that $m\angle RPS = 62^\circ$ and $QS = 18$, find the indicated measure.

10. $m\angle QPR$

11. $m\angle PTQ$

12. ST

13. PR



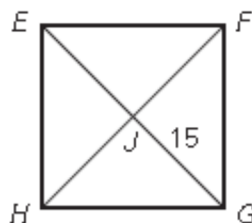
The diagonals of square $EFGH$ intersect at J . Given that $GJ = 15$, find the indicated measure.

14. $m\angle EJF$

15. $m\angle JFG$

16. FH

17. EJ



TARGET E ANSWERS

1. rhombus; Diagonals are \perp but not \cong .
2. square; Adjacent sides are \cong and \angle are right angles.
3. rectangle; Angles are right angles.
4. rhombus; All sides are \cong ; $x = 2$, $y = 7$
5. square; All sides are \cong and all angles are right angles.; $x = 4$, $y = 6$
6. 34°
7. 112°
8. 14
9. about 12.5
10. 28°
11. 124°
12. 9
13. 18
14. 90°
15. 45°
16. 30
17. 15